



Functional Independence Science

Official Released Items

Grade 5

**Fall 2008
Official Released Items**

**MICHIGAN STATE BOARD OF EDUCATION
STATEMENT OF ASSURANCE OF COMPLIANCE WITH FEDERAL LAW**

The Michigan State Board of Education complies with all Federal laws and regulations prohibiting discrimination and with all requirements and regulations of the U.S. Department of Education. It is the policy of the Michigan State Board of Education that no person on the basis of race, color, religion, national origin or ancestry, age, sex, marital status, or handicap shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination in any program or activity for which it is responsible or for which it receives financial assistance from the U.S. Department of Education.

The Grade 5 Functional Independence Science Assessment was administered for the first time in Fall 2007. Beginning with this administration, the Office of Educational Assessment and Accountability (OEAA) will annually release a portion of the items that are administered on the assessment. This booklet contains released items from the Fall 2008 administration and is intended to be used by districts to assist in their interpretation of item analysis data. The information contained in this booklet may also be used by schools, teachers, and parents as a resource for understanding the content and format of the assessment items. In addition to MI-Access training materials and Extended Benchmarks (EB), the released items may also have utility in informing decisions related to instruction, curriculum, and assessment. These items are **not** secure and may be copied and distributed as needed.

The table below lists the number of core and released items administered on the Fall 2008 Grade 5 Functional Independence Science Assessment. Core items are those that count toward students' scores. All released items in this booklet were selected from the pool of core items that appeared on the assessment.

Functional Independence Science Grade 5

Science Strand	Number of Core Items
Life	13
Physical	12
Earth	6
Constructing	2
Reflecting	2
Total Core Items/Points	35
Released Items	6 (Numbers vary by strand and topic.)

Copyright© 2008, held by the State Administrative Board, State of Michigan. All rights reserved. Printed in U.S.A. **Permission is granted to schools, parents, government agencies and non-profit organizations in Michigan to reproduce and distribute this document for non-commercial use in helping Michigan educators and other citizens in interpreting and using the MI-Access assessment results.**

For all instances other than identified in the previous paragraph, no part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior permission from the Office of Educational Assessment and Accountability.

DIRECTIONS: Read each question. Choose the **BEST** answer for each question.

33087

R1 Which explains why puppies from the same litter usually look alike?

- A** They grow up in the same house.
- B** They have the same parents.
- C** They eat the same foods.

33489

R2 Some land in a town is bare and eroded.

What is the **best** way to help the environment?

- A** cover the area with concrete and make a parking lot
- B** plant bushes and trees and make a nature trail
- C** use the spot as a place to dump trash

33434

R3 What word describes salt and pepper in the same bottle?

- A** solution
- B** liquid
- C** mixture

33060

R4 Joe is going outside on a hot day.

Which type of clothing should he wear to keep cool?

- A** cotton shorts
- B** wool coat
- C** denim pants

33021

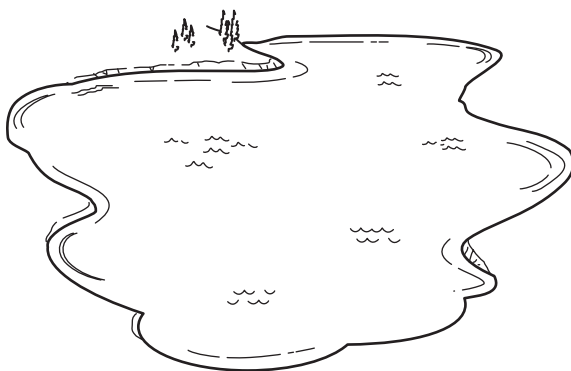
R5 Which shows a solid surface?

A



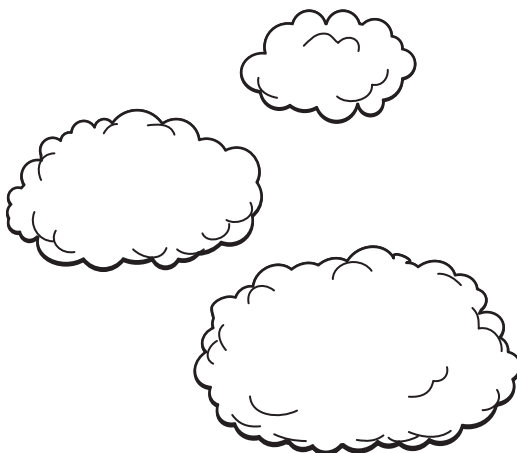
frozen puddle

B



lake

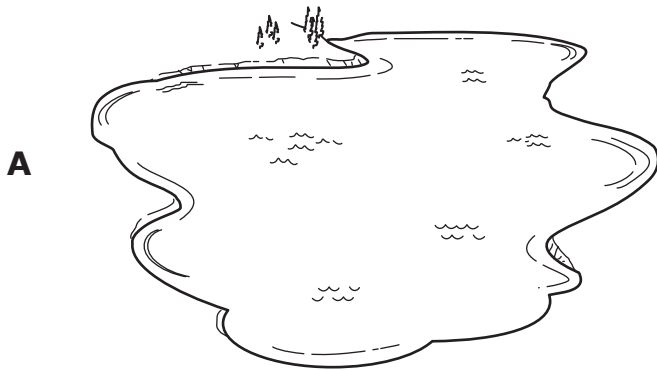
C



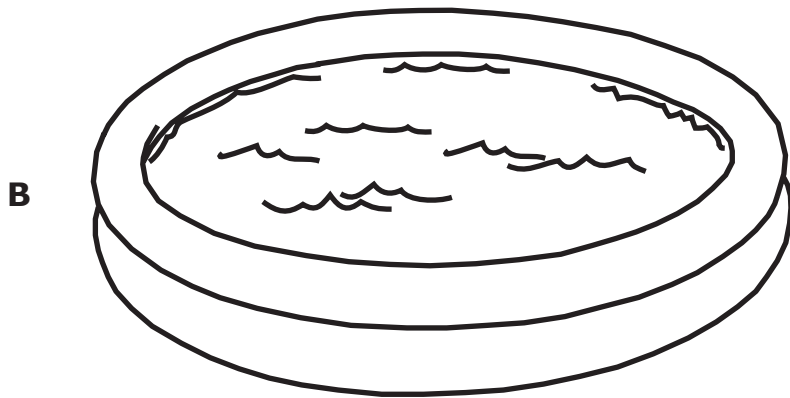
clouds

33024

R6 Which shows a body of water into which a river flows?



lake



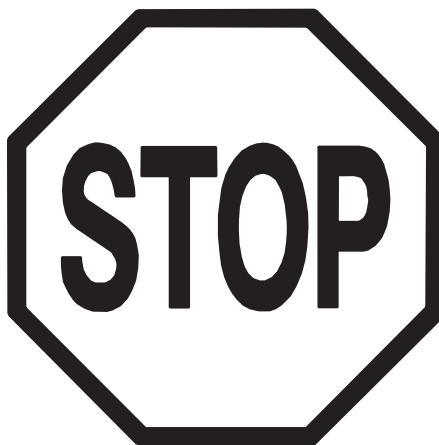
swimming pool



puddle



Do Not Continue.

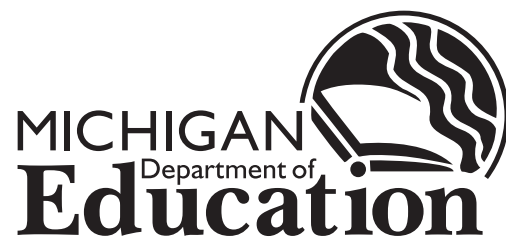


Do not continue until instructed to do so.

Below is a list of the Extended Benchmarks (EB) for each released item found in this booklet. The chart contains the EB code, a brief description of what is measured, and the correct answer for each released item.

Full descriptions of the EB contained in the chart below are available for review and download at **www.mi.gov/mi-access**.

Science			
Released Item Number	EB Code	STRAND or Abbreviated Descriptor/Scoring Focus	Answer Key
		LIFE	
R1	L.HE.FI.EB.III.3.e.1a	Identify how parents and their young look alike.	B
R2	L.EC.FI.EB.III.5.e.4a	Identify positive and negative effects of humans on the environment.	B
		PHYSICAL	
R3	P.CM.FI.EB.IV.2.e.2a	Prepare mixtures and separate them into their component parts.	C
R4	P.ME.FI.EB.IV.1.e.2a	Identify properties of materials that make them useful.	A
		EARTH	
R5	E.HY.FI.EB.V.2.e.1a	Identify the three states of water on earth.	A
R6	E.HY.FI.EB.V.2.e.3a	Identify sources of water and its household/personal uses.	A



Michigan Department of Education
Office of Educational Assessment and Accountability
608 West Allegan Street
P.O. Box 30008
Lansing, MI 48909
(517) 241-4416
www.mi.gov/mi-access